Tuesday, 14 February 1989
Mardi, 14 février 1989

Albert I Hall

Opening Session - Séance d'ouverture

RISK ASSESSMENT AND HEALTH
SANTÉ ET EVALUATION DU RISQUE

09.00 O1 **Cancer Control and Lifestyle Medicine**
E.L. Wynder (American Health Foundation, USA)

09.30 O2 **Biomarkers of exposure : how practical, how useful**
S. Schwartz (Georgetown University Medical Centre, Washington DC, USA)

09.50 O3 **The sick building syndrome : clinical aspect and prevention**
C. Molina (Université de Clermont Ferrand, France)

10.10 O4 **L'air ambiant, perceptions et seuils de tolérance : des normes sociales en changement**
N. Delruelle (Institut de Sociologie, Université Libre de Bruxelles, Belgique)

10.30 **Coffee break/Pause café**

Chairmen
M.L. Efthymiou & M. Vanhoorne

11.00 O5 **Les inquiétudes et les risques de la pollution domestique, recensés dans un Centre anti-poisons, à propos de 329 incidents en 1 an.**
G. Riboulet-Delmas, R. Garnier & M.L. Efthymiou (Centre Anti-Poisons, Paris, France)

11.15 O6 **Le monoxide de carbone : épidemiologie et prévention des intoxications aigues dans l'agglomération bruxelloise**
B. Tissot*, N. Tinan** & M. Govaerts* (*Centre antipoisons, Bruxelles & **Cultures et Santé, Bruxelles, Belgique)

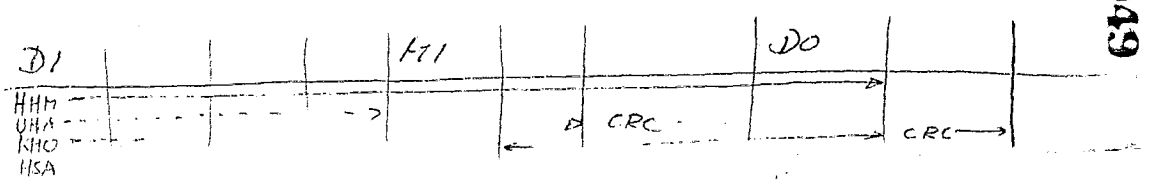
11.30 O7 **Etat actuel des recherches en matière de qualité de l'air à l'intérieur des locaux**
J.C. Loewenstein (Electricité de France, Direction des Etudes et Recherches, Chatou, France)

11.45 O8 **Radon and lung cancer : a case-control study in southern Belgium**
A. Poffijn*, R. Mak, J. Prignot**, M. Vanhoorne & P. Weynants** (Department of Hygiene and Social Medicine & *Laboratory of Physics, Ghent State University, **Mont Godinne Hospital, Department of Pneumology, Catholic University of Louvain, Belgium)

12.00 O9 **Indoor Radon in Belgium**
A. Poffijn & H. Vanmarcke (Laboratory of Physics & Laboratory of Nuclear Physics, Ghent State University, Belgium)

12.15 O10 **Radon dynamics in an unheated house**
D. Furrer, R. Crameri & W. Burkart (Radiation Hygiene Division, Paul Scherrer Institute, Villigen, Switzerland)

12.30 **Lunch break/Pause déjeuner**



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Tuesday, 14 February 1989
Mardi, 14 février 1989

Albert I Hall

Session I

ETS AND PASSIVE SMOKING
LA FUMÉE DE TABAC DANS L'ENVIRONNEMENT ET LE TABAGISME PASSIF

Chairmen
A. Hirsch & T.D. Sterling

14.00	O11	**Tabagisme & santé : le cas de la France** A. Hirsch (Service de Pneumologie, Hôpital St. Louis, Paris, France)
14.20	O12	**Environmental tobacco smoke and lung cancer : is it the smoke or the diet ?** L.C. Koo (Department of Community Medicine, Medical Faculty, University of Hong-Kong)
14.40	O13	**Dietary habits are of limited importance in influencing the lung cancer risk among Japanese females who never smoked** T. Hirayama (Institute of Preventive Oncology, Japan)
15.00	O14	**An example of extra-poisson variation suggesting an under-specified model** S.J. Kilpatrick,Jr. (Virginia Commonwealth University, USA)
15.20	O15	**Lung cancer risk by oral exposure** R. Rylander & H.J. Haussmann* (Department of Environmental Hygiene, University of Gothenburg, Sweden & *Institute of Biological Research, Cologne, F.R. Germany)
15.30	O16	**Passive smoking : Acute effects on lung function of sensitive persons** B. Danuser, A. Weber & L. Hartmann* (Inst. für Hygiene und Arbeitsphysiologie, Swiss Federal Inst. Technology, Zurich & *Allergiestation der Dermatologischen Universitätsklinik, Zurich, Switzerland)
15.40	O17	**Evaluation de l'exposition à un environnement : quelques exemples concrets relatifs à l'utilite des indicateurs atmospheriques et biologiques** A.M. Laurent, Y. Courtois, S. Prelet, J.R. Claude & B. Festy (Laboratoire d'Hygiène de la Ville de Paris, France)
15.50	O18	**Exposure to environmental tobacco smoke in the non industrial workplace under different conditions of ventilation and smoking regulation** T.D. Sterling, C.W. Collett* & J.A. Ross** (Faculty of Applied Sciences, School of Computing Science, Simon Fraser University, Burnaby, Vancouver & *Theodor D. Sterling & Associates, Vancouver, Canada)
16.00		**Coffee break/Pause café**

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Tuesday, 14 February 1989
Mardi, 14 février 1989

Albert I Hall

Session I (cont'd)

ETS AND PASSIVE SMOKING
LA FUMÉE DE TABAC DANS L'ENVIRONNEMENT ET LE TABAGISME PASSIF

Chairmen
S. Schwartz & Y. Courtois

16.30	O19	**Passive smoking and lung cancer. Fact or fiction ?** P. Lee (PN Lee Statistics and Computing Ltd, United Kingdom)
16.50	O20	**Title to be communicated** D. Trichopoulos (University of Athens, Greece)
17.10	O21	**Initiatives taken within parents in school to reduce passive smoking risks** C. Arciti, B. Doglio & L. Santi (Istituto Nazionale per la Ricerca sul Cancro, Genova, Italy)
17.20	O22	**Environmental tobacco smoke and lung cancer** E.L. Wynder (American Health Foundation, USA)
17.30	O23	**Induction of liver and lung microsomal monooxygenases by a tobacco smoke** V.V. Khudoley (N.N. Petrov Research Institute of Oncology, Leningrad, USSR)
17.40	O24	**Isoprene - A potential indoor indicator for environmental tobacco smoke** G. Löfroth (Nordic School of Public Health, Gothenburg, Sweden)
17.50	O25	**The passive smoking myth** N. Mantel (The American University, Washington, U.S.A.)
18.05	O26	**Relative lung cancer risk from exposure to mainstream and sidestream smoke** J.J. McAughey, J.N. Pritchard & A. Black (Environmental & Medical Sciences Division, Harwell Laboratory, Oxon, United Kingdom)

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Wednesday, 15 February 1989
Mercredi, 15 février 1989

Albert I Hall

Session II

INDOOR AIR QUALITY : CHEMISTRY AND BIOLOGICAL EFFECTS
QUALITÉ DE L'AIR AMBIANT : CHIMIE ET EFFETS BIOLOGIQUES

Chairmen
S.J. Kilpatrick, Jr. & R. Rylander

09.00 O27 **Exposure to ets and its biological effects**
F.X. Adlköfer, G. Scherer, L. Von Meyerinck, Ch. Von Maltzan & L. Jarczyk (Forschungsgesellschaft Rauchen und Gesundheit mbH, Hamburg, F.R. Germany)

09.20 O28 **Carbonyl compounds in mainstream and sidestream cigarette smoke**
H. Schlitt & H. Knöppel (Commission of the European Communities, Joint Research Centre, Environment Institute, Ispra, Italy)

09.35 O29 **Nicotine uptake through the airway during passive smoking and its effect on annoyance**
A. Iwase, H. Saitoh, Y. Doi, M. Aiba, N. Yamauchi, T. Miyara & S. Kira (Department of Respiratory Medicine, Juntendo University, School of Medicine, Hongo, Tokyo, Japan)

09.50 O30 **Sensory responses to environmental tobacco smoke from cigarettes that heat but do not burn tobacco**
J.C. Walker, R.A. Jennings, W.T. Morgan, J.H. Robinson & J.H. Reynolds IV (R.J. Reynolds Tobacco Company, Winston-Salem, North Carolina, U.S.A.)

10.05 O31 **Nonsmokers attitude towards indoor air quality**
S. Shanmuganandan & P. Thirumalaikolundusubramanian* (Department of Geography, Madurai Kamaraj University & *Department of Medicine, Madurai Medical College, India)

10.20 O32 **Perception of daily cigarette consumption in the office environment**
D.A. Sterling, D.J. Moschandreas* & R.D. Gibbons** (Old Dominion University, Norfolk, Virginia, *IIT Research Institute, Chicago & **University of Illinois, Chicago, Illinois, U.S.A.)

10.35 **Coffee break/Pause café**

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Tuesday, 14 February 1989
Mardi, 14 février 1989

Astrid Hall
18.15-19.30

POSTER SESSION

P1 **Measurements of environmental tobacco smoke in an air-conditioned office building**
C.J. Proctor, N.D. Warren & M.A.J. Bevan (BAT-UK&E Research & Development Centre, Southampton, United Kingdom)

P2 **Pollution de l'air par la nicotine, à l'intérieur de divers locaux**
C. Arfi*, J. Kaloustian*, A.M. Pauli*, J. Pastor* , F. Grimaldi**, F. Gouezo**, A. Viala**, E. Muls **, F. Ravoire*, A. Crestin* & J. Prat* (*Laboratoire de Chimie Analytique & **Laboratoire de Toxicologie, Faculté de Pharmacie, Marseille, France)

P3 **Health consequences of atopy, food intolerance and indoor environment : a case study**
E. Sammaljärvi (University of Helsinki, Dept of Physics, Finland)

P4 **Assessment of exposure to emissions from a liquified petroleum gas stove use in urban India**
V. Haraprasad & J.M. Dave (Neeri Zonal Laboratory, New Delhi & *School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India)

P5 **Quality of Indoor Environment in dwellings according to performance of heating system**
D. Petrs (Slovak Technical University, Bratislava, Czechoslovakia)

P6 **Assessing the validity of a Japanese cohort study**
M. W. Layard & *J.R. Viren (Failure Analysis Associates, Palo Alto, California & *R.J. Reynolds Tobacco Company, Winston-Salem, North Carolina, U.S.A.)

P7 **Impact of biomass combustion on indoor environment and health**
S. Jindal & R. Prasad (Centre for RD and AT, New Delhi, India)

P8 **Destruction des acariens & biodécontamination de l'environnement domestique**
M. Blanc & Ch. Boutin* (Clinique de l'Oasis, Saint-Tropez & *Centre Hospitalier Universitaire, Marseille, France)

P9 **Oxides of nitrogen and respiratory illness. Is there a susceptible population ?**
J.M. Sneddon (The William Harvey Research Institute, St. Bartholomew's Hospital Medical College, London, United Kingdom)

P10 **Dust in the work environment : Effect of pharmacological agents on the airway response to inhaled cotton dust.**
P.J. Nicholls, M. McDermot, M. Bevan & D. Griffiths-Johnson (Welsh School of Pharmacy, University of Wales, Cardiff, United Kingdom)

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Astrid Hall
18.15-19.30

Poster Session (cont'd)

P11 **Model to assess the correlation of indoor and outdoor air pollutants-exposure and health effects**
D. Ngoo Phong & all (Hanoi Medical School, Vietnam)

P12 **Study on the interaction of risk factors of acute respiratory infections in children below 5 years of age in Vietnam**
D. Ngoo Phong (Hanoi Medical School, Vietnam)

P13 **Study on health effects of indoor air pollutants from direct burning of coal with high fluoride content in China**
Ji Rongdi & Cao Shouren (Institute of Environmental Health and Engineering Chinese Acadmey of Preventive Medicine, Beijing, China)

P14 **Exposure to carbon oxide inside shops placed along an high-traffic street**
F. Valerio & C. Brescianini (Istituto Nazionale Ricerca sul Cancro, Genova, Italy)

P15 **Studies of air pollution around a cement factory in Dar-Es-Salaam (Tanzania)**
M.W. Kudoja (Zoology Department, University of Nairobi, Konya)

P16 **Effect of reservoir fuel levels on emissions from a kerosene cook stove**
J.M. Dave & Y. Haraprasad (School of Environmental Sciences, Jawaharlal Nehru University, New Delhi & Neeri Zonal Laboratory, New Delhi, India)

P17 **Etude des relations à echelle fine entre pollutions intérieure et extérieure (SO_2-NO_x-particules) dans un hôpital de la région Parisienne**
J.C. Lowenstein (Electricité de France, Direction des Etudes et Recherches, Chatou, France)

P18 **Moulds, mites and moisture of inner walls in dwellings**
H.S.M. Kort & J.E.M.H. van Boswijck (Interuniversity working group Home and Health, Department of Dermatology, Utrecht State University, Utrecht, The Netherlands)

P19 **Absolute indoor air humidity and the abundance of allergen producing house dust mites and fungi in The Netherlands**
G. Schober (Interuniversity working group Home and Health, Utrecht State University, Utrecht, The Netherlands)

P20 **Nicotine absorption in humans following exposure to environmental tobacco smoke generated from different types of cigarettes.**
JD. deBethizy, L.E. Bates, R.A. Davis, D.L. Heavner, P.R. Nelson, J.C. Walker & J.H. Robinson (R.J. Reynolds Tobacco Company, Winston-Salem, North Carolina, U.S.A.)

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Astrid Hall
18.15-19.30

Poster Session (cont'd)

P21 **Characterization of the environmental tobacco smoke generated by different cigarettes**
P.R. Nelson, D.L. Heavner & B.B. Collie (R.J. Reynolds Tobacco Company, Bowman Gray Technical Center, Winston-Salem, North Carolina, U.S.A.)

P22 **Time-Dependent variations in residential formaldehyde levels under controlled conditions of temperature and relative humidity**
T. Godish & C. Guindon (Ball State University, Muncie, Indiana, U.S.A.)

P23 **Health and social problems of carbon monoxide poisoning by using anthracite coal as a space heating fuel in Korea**
Yong Chung & Dongchun Shin (Institute for Environmental Research, Seoul, Korea)

P24 **Contrôle de la qualité de l'air dans les garages collectifs**
F. Cupelin & J.-Cl. Landry (Service cantonal d'écotoxicologie, Genève, Suisse)

P25 **Un analyseur d'oxydes d'azote à l'étude de la pollution intérieure : l'APPI-AC 35**
B. Millancourt (Electricité de France, Direction des Etudes et Recherches, Chatou, France)

P26 **Automatic analyser prototype for atmospheric isoprene and monoterpenes**
M.L. Riba, B. Clement, M. Haziza & L. Torres (Ecole Nationale Supérieure de Chimie de Toulouse, Institut National Polytechnique, Toulouse, France)

P27 **Perméabilité, étanchéité ou transparence à l'air des bâtiments, des applications différentes pour un même problème**
M. Kilberger (Centre d'Etudes Techniques de l'Equipement de Lyon, France)

P28 **Tobacco smoke and indoor air pollution**
P. Thirumalaikolundusubramanian & S. Shanmuganandan (*Madurai Medical College & Department of Geography, Madurai Kamaraj University, India)

P29 **On the use of environmental tobacco smoke component ratios**
G.B. Oldaker III* ,**W.E. Crouse & R.M. DePinto (*R.J. Reynolds Tobacco Company, Winston Salem, NC & **Lorillard Inc., Greensboro, NC, USA)

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